

## ST. JOSEPH'S COLLEGE OF ENGINEERING & TECHNOLOGY, PALAI

(An ISO 9001: 2008 Certified College)

#### DEPARTMENT OF COMPUTER APPLICATIONS

Name of Examination: First Semester Examination 2018-2019

Subject : RLMCA101 - Problem Solving and Computer Programming

Semester : S1

Time: 3 Hours Max.Marks: 60

#### PART A

(Each Question carries 3 marks, Answer all questions)

- 1. Define Program Development.
- 2. What are functions in C?
- 3. Define and Construct flow chart.
- 4. Recall single character output in C.
- 5. Contrast on automatic variables and external variables.
- 6. Explain multidimensional arrays in C.
- 7. Illustrate array of pointers.
- 8. How closing of a file is perfprmed in C.

#### **PART B**

(Answer any six questions, one full question from each module and carries 6 marks.)

#### Module 1

9. Define Arrays, and various array functions in C.

OR

10. Summarize library functions in C.

#### Module 2

11. What are the different types of functions available in C?

OR

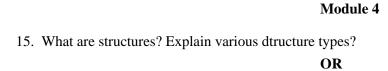
12. Define Interactive programming?

#### Module 3

13. Recall looping statements in C.

OR

14. Recall various library files and header files in C.



16. Rephrase on C strings.

### Module 5

17. Expalin the pointer concept in C with proper example.

OR

18. Demonstrate dynamic memory alloaction with suitable example.

#### Module 6

19. What you mean by Macros and C preprocessor in C.

OR

20. Construct a program to receive receive student information from user and store the deatils in a file.



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## **Blooms Taxonomy Evaluation**

## **RLMCA101 - Problem Solving and Computer Programming**

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	%
K1	3	3		3				3	6		6	6	6	6	6				6		56.25
K2					3	3	3			6						6	6	6			34.375
К3			3																	6	9.375
K4																					0.0
K5																					0.0
K6																					0.0